CLAIMS

What is claimed is:

5   1.   A system for managing and implementing tests for electronic equipment comprising:

a host device having a database containing selectable test options,

a remote device to which information from the host device is downloaded, said information comprising at least one test selection, said remote device being capable of

10   implementing a test protocol corresponding to said test selection by interfacing with and controlling testing equipment.

2.   The system according to claim 1, wherein the host device further comprises a database containing selectable identifiers for electronic equipment, and

15   wherein said information further comprises at least one equipment selection.

3.   The system according to claim 2, wherein said host device further comprises a graphic user interface module which allows a user to interface with said databases and to select from said identifiers for electronic equipment and said test options.

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4.   The system according to claim 3, wherein said host device further comprises a database containing selectable testing equipment options.

5.   The system according to claim 2, further comprising translation

25   modules for translating testing steps into communication sequences specific to particular testing equipment.

6.   The system according to claim 1, wherein said information is downloaded via a wired connection.

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7.   The system according to claim 1, wherein said information is downloaded via a wireless connection.

8.   The system according to claim 1, wherein said information is downloaded via a computer network.

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9.   The system according to claim 1, wherein said remote device further comprises means for recording results from a test, and further comprising means for uploading said results to said host device.

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10.   The system according to claim 9, wherein said host device further comprises means for analyzing said results.

11.   A method for managing and implementing tests for electronic equipment comprising the steps of:

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    selecting at least one test option using a host device,

    downloading information comprising at least one test selection to a remote device,

    having an operator interface said remote device to testing equipment to test particular electronic equipment.

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12.   The method according to claim 11, further comprising the step of:

selecting at least one identifier for electronic equipment using the host device, and wherein said information further comprises at least one electronic equipment selection.

5   13.   The method according to claim 12, further comprising the steps of:
            recording the results of a test using the remote device,
            uploading the results of the test from the remote device to a central database.

        14.   The method according to claim 13, wherein the central database is
10   contained on the host device.

        15.   The method according to claim 13, further comprising the step of:
            analyzing and managing the results of the test using the central database.

15   16.   The method according to claim 13, wherein said results comprise a
    circuit identifier, a test time, a test set configuration, and a test step.

        17.   The method according to claim 11, further comprising the steps of:
            performing at least one subordinate test via said remote device in response to
20   a failing result from a test step.

        18.   The method according to claim 17, wherein results from the at least
    one subordinate test are used to determined a specific cause of failure.

25   19.   The method according to claim 11, further comprising the steps of:
            providing an option to the operator when a failing result from a test step arises
    to continue or discontinue testing.

20.   The method according to claim 19, wherein the step of providing an option to the operator further comprises providing an option to interface with said host device to complete testing.

21.   The method according to claim 20, wherein the host device interfaces directly with the testing equipment.

22.   A system for managing and implementing tests for electronic equipment comprising:

a device having a database containing selectable test options wherein selections can be made by a user via a user interface, said selections comprising at least one test selection, said device being capable of implementing a test protocol corresponding to said test selection by interfacing with and controlling testing equipment.

23.   The system according to claim 22, wherein the device further comprises a database containing selectable identifiers for electronic equipment, and wherein said selections further comprise at least one equipment selection.

24.   The system according to claim 23, wherein said device further comprises a graphic user interface module which allows a user to interface with said databases and to select from said identifiers for electronic equipment and said test options.

25.   The system according to claim 24, wherein said device further comprises a database containing selectable testing equipment options.

26.   The system according to claim 23, further comprising translation modules for translating testing steps into communication sequences specific to particular testing equipment.

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27.   The system according to claim 22, wherein said device is a host or server device capable of interfacing with testing equipment via wired, wireless, network, or internet connection.

28.   The system according to claim 22, wherein said device is a remote

10   device capable of interfacing with testing equipment via wired, wireless, network, or internet connection.

29.   The system according to claim 22, wherein said device further comprises means for recording results from a test.

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30.   The system according to claim 29, wherein said device further comprises means for analyzing said results.

31.   A method for managing and implementing tests for electronic

20   equipment comprising the steps of:

    selecting at least one test option using a device,

    said test option comprising at least one test selection,

    interfacing said device to testing equipment to test particular electronic equipment.

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32.   The method according to claim 31, further comprising the step of:

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selecting at least one identifier for electronic equipment using the device, and selecting at least one electronic equipment selection.

33.   The method according to claim 32, further comprising the steps of:

5   recording the results of a test using the device.

34.   The method according to claim 32, further comprising the step of:

analyzing and managing the results of the test using a central database.

10   35.   The method according to claim 32, wherein said results comprise a circuit identifier, a test time, a test set configuration, and a test step.

36.   The method according to claim 31, further comprising the steps of:

performing at least one subordinate test via said device in response to a failing

15   result from a test step.

37.   The method according to claim 36, wherein results from the at least one subordinate test are used to determined a specific cause of failure.

20   38.   The method according to claim 31, further comprising the steps of:

providing an option to the operator when a failing result from a test step arises to continue or discontinue testing.

39.   The method according to claim 31, wherein the device is a host or

25   server device capable of interfacing with testing equipment via wired, wireless, network, or internet connection..

40.   The method according to claim 31, wherein the device is a remote device capable of interfacing with testing equipment via wired, wireless, network, or internet connection.

5   41.   The system according to claim 28, wherein said remote device is a PDA or Palm device, and wherein said testing equipment comprises telecommunications testing equipment.

        42.   The system according to claim 28, wherein said remote device is a
10   PDA or Palm device, and wherein said testing equipment comprises transmissions testing equipment.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application of:)
Michael B. Petersen and Steven T. Robbins)
)
For: SYSTEM AND METHOD FOR MANAGING)
AND IMPLEMENTING ELECTRONIC EQUIPMENT)
TESTS)

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "SYSTEM AND METHOD FOR MANAGING AND IMPLEMENTING ELECTRONIC EQUIPMENT TESTS," the Specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified Specification, including the Claims, as amended by any Amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the Application on which priority is claimed:

Prior Foreign Application(s)

Priority
Claimed

___NONE_____   _____   _____   ___ ___
Number   Country   Day/Month/Year   Yes No
                                                Filed

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional

application(s) listed below:

            60/265,384_____   January 30, 2001_____
            Application Number   Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States Application(s), or §

365(c) of any PCT International Application designating the United States, listed below and,

insofar as the subject matter of each of the Claims of this Application is not disclosed in the prior

United States or PCT International Application in the manner provided by the first paragraph of ·

35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability

as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior

Application and the national or PCT international filing date of this Application:

        ___NONE_____   _____   _____

        Application Number   Filing Date   Status

        ___NONE_____   _____   _____

        Application Number   Filing Date   Status

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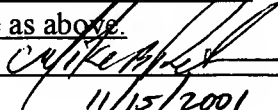
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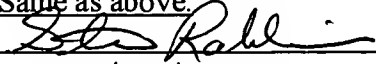
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I hereby declare all statements made herein of my own knowledge are true and all

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statements were made with the knowledge that willful false statements and the like so made are

punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

Code and that such willful false statements may jeopardize the validity of the Application or any

patent issued thereon.

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